April 22, 2004

Hazardous, Toxic and Radioactive Waste
Center of Expertise

Helen MacMinn
Analytical Laboratory Services, Inc.
34 Dogwood Lane
Middletown, PA 17057

Dear Ms. MacMinn:

This correspondence addresses the recent evaluation of Analytical Laboratory Services, Inc. of Middletown, PA for the U.S. Army Corps of Engineers (USACE) for chemical analysis in support of the USACE Hazardous, Toxic and Radioactive Waste Program.

Your laboratory is now validated for the parameters listed below:

METHOD[1]	PARAMETERS	MATRIX[2]
300.0/9056	Anions[5]	Water[3]
9010B/9012A	Cyanide	Water[3]
9013/9012A	Cyanide	Solids[3]
8330	Explosives	Water[6]
8330	Explosives	Solids[3]
8151A	Herbicides	Water[3]
8151A	Herbicides	Solids[3]
3510C/3520C/8081A	Organochlorine Pesticides	Water[3]
3545A/3550B/8081A	Organochlorine Pesticides	Solids[3]
3510C/3520C/8082	Polychlorinated Biphenyls	Water[3]
3545A/3550B/8082	Polychlorinated Biphenyls	Solids[3]
3510C/3520C/8310	Polynuclear Aromatic Hydrocarbons	Water[3]
3545A/3550B/8310	Polynuclear Aromatic Hydrocarbons	Solids[3]
3510C/3520C/8270C	Semivolatile Organics	Water[3]
3545A/3550B/8270C	Semivolatile Organics	Solids[3]
3015A/6010B/7470A	TAL Metals[4]	Water[3]
3050B/6010B/7471A	TAL Metals[4]	Solids[3]
3005/6020/7000A	TAL Metals[4]	Water[3]
9060	Total Organic Carbon	Water[3]

3510C/3520C/Mod 8015	TPH - DRO/GRO	Water[3]
3545A/3550C/Mod 8015	TPH - DRO/GRO	Solids[3]
5030B/5035/8021B	Volatile Organics	Water[3]
5030B/50358021B	Volatile Organics	Solids[3]
5030B/5035/8260B	Volatile Organics	Water[3]
5030B/5035/8260B	Volatile Organics	Solids[3]
1664	Oil & Grease	Water[3]
7196A	Hexavalent Chromium	Water[3]
3510C/8141A	Organophosphorous Pesticides	Water[3]
3545A/8141A	Organophosphorous Pesticides	Solids[6]

Remarks:

1) Sample preparation methods have been added to reflect program policy change.

2) 'Solids' includes soils, sediments, and solid waste.

3) The laboratory has successfully analyzed a Proficiency Testing (PT) sample for this method/matrix.

4) TAL Metals: Aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, silver, sodium, thallium, vanadium, and zinc.

5) Anions: Chloride, fluoride, sulfate, nitrate, nitrite, and ortho-phosphate.

6) Approval for this parameter is based on review of SOP only

Based on the acceptable past performance, successful analysis of the National Environmental Laboratory Accreditation Conference Proficiency Testing samples and review of SOPs and laboratory Quality Management documentation, your laboratory will be validated for sample analysis by the methods listed above. The evaluation, which was conducted for your facility, is based substantially on ISO Guide 25 (General Requirements for the Competence of Testing Laboratories) and USACE Engineering Manual (EM) 200-1-3, Appendix I (Shell for Analytical Chemistry Requirements). The period of validation is 24 months and expires on November 7, 2005.

The USACE reserves the right to conduct additional laboratory inspections or to suspend validation status for any or all of the listed parameters if deemed necessary. It should be noted that your laboratory may not subcontract USACE analytical work to any other laboratory location without the approval of this office. This laboratory validation does not guarantee the delivery of any analytical samples from a USACE Contracting Officer Representative.

Any questions or comments can be directed to Kevin Coats at (402) 697-2563. General questions regarding laboratory validation may be directed to the Laboratory Validation Coordinator at (402) 697-2574.

Sincerely,

Marcia C. Davies, Ph.D.
Director, USACE Hazardous,
Toxic and Radioactive Waste
Center of Expertise